GOVERNMENT OF INDIA
SCIENCE AND TECHNOLOGY
LOK SABHA

UNSTARRED QUESTION NO:3135
ANSWERED ON:07.12.2007
COLLAGEN BASED PRODUCTS FOR WOUND DRESSING
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Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) whether the Central Leather Research Institute(CLRI), Chennai has developed two collagen based products alongwith drug delivery system for wound dressing ;

(b) if so, the details thereof; and

(c) the steps being taken by the Government for commercial production of above products?

Answer

MINISTER OF SCIENCE AND TECHNOLOGY AND MINISTER OF EARTH SCIENCES (KAPIL SIBAL)

(a) Yes, Sir. CLRI has developed two collagen based products along with drug delivery system for wound dressing.

(b) The details of the developed products are as follows:

i. The first collagen −based dressing for controlled delivery of Silver Sulphadiazine has been developed to address infection during healing process. The preparation of collagen scaffold impregnated with silver sulphadiazine(SSD) loaded alginate microspheres is capable of delivering the drug in a controlled manner, thus reducing frequency of dressing change and making wound assessment and management easier.

ii Another product is collagen based wound dressing material to deliver ciprofloxacin, an antibiotic.

(c) The knowhow pertaining to the first product i.e. collagen-based dressing for controlled delivery of silver Sulphadiazine has been licensed for commercial productions.